

## Recombinant Rat KI protein, His & GST-tagged

**Cat. No.** KI-1563R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat KI aa. (Leu517~Leu956) fused with N-terminal His & GST tag was produced in E. coli cells.                                                                                                                                                                                                                           |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Leu517~Leu956                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | May be involved in suppression of aging phenotypes.                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 80kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.                                                                                                                                                                                                                                                               |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Concentration</b>     | 200µg/mL                                                                                                   |
| <b>Storage buffer</b>    | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.    |
| <b>Reconstitution</b>    | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.          |
| <b>Isoelectric Point</b> | 6.4                                                                                                        |

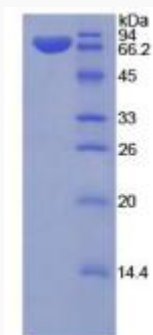
## GENE INFORMATION

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Gene Name</b>       | KI Klotho [ <i>Rattus norvegicus</i> (Norway rat) ] |
| <b>Official Symbol</b> | KI                                                  |
| <b>Synonyms</b>        | KI; Klotho                                          |
| <b>Gene ID</b>         | 83504                                               |
| <b>mRNA Refseq</b>     | NM_031336.1                                         |
| <b>Protein Refseq</b>  | NP_112626.1                                         |
| <b>UniProt ID</b>      | Q9Z2Y9                                              |

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**SDS-PAGE**

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